

Title (en)  
Maltogenic alpha-amylase variants

Title (de)  
Maltogene Alpha-amylase Varianten

Title (fr)  
Variants d'alpha-amylase maltogènes

Publication  
**EP 2316929 A3 20110824 (EN)**

Application  
**EP 10181858 A 19990226**

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Abstract (en)  
[origin: EP2316929A2] The inventors have modified the amino acid sequence of a maltogenic alpha-amylase to obtain variants with improved properties, based on the three-dimensional structure of the maltogenic alpha-amylase Novamyl. The variants have altered physicochemical properties., e.g. an altered pH optimum, improved thermostability, increased specific activity, an altered cleavage pattern or an increased ability to reduce retrogradation of starch or staling of bread.

IPC 8 full level  
**C12N 9/28** (2006.01); **A21D 8/04** (2006.01); **C12N 1/15** (2006.01); **C12N 1/21** (2006.01); **C12N 15/09** (2006.01); **C12N 15/55** (2006.01); **C12N 15/56** (2006.01); **C12R 1/07** (2006.01)

CPC (source: EP US)  
**A21D 8/042** (2013.01 - EP US); **C12N 9/2417** (2013.01 - EP US); **C07K 2299/00** (2013.01 - EP US)

Citation (search report)  
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